

**FIRE DEPARTMENT MECHANIC  
STUDY GUIDE**

A written examination for the class of **FIRE DEPARTMENT MECHANIC** to be administered in **St. TAMMANY F.P.D. #12** on **JUNE 4, 2015**, will consist of approximately **100** multiple-choice questions. The examination will test your knowledge in the following subject areas:

<b>SUBJECT AREA/KNOWLEDGE</b>	<b>APPROXIMATE % OF EXAM</b>
<b>SUSPENSION AND BRAKE SYSTEMS</b>  Knowledge of suspension and brake systems sufficient to perform maintenance, make repairs, or adjust the systems when needed.	13.0%
<b>COOLING SYSTEMS</b>  Knowledge of cooling systems sufficient to perform maintenance and repair when needed.	7.0%
<b>DRIVE TRAIN/LUBRICATING/ELECTRICAL/FUEL SYSTEMS</b>  Knowledge of drive train, lubricating, electrical, and fuel systems sufficient to perform maintenance, repairs or adjustments to the system when needed.	27.0%
<b>ENGINE MECHANICS</b>  Knowledge of gasoline and diesel engines sufficient to perform diagnosis of mechanical problems and to perform maintenance and repair.	13.0%
<b>GENERAL AUTO MAINTENANCE, REPAIRS AND INSTRUMENTS</b>  Knowledge of the use of automotive instruments sufficient to perform maintenance and repair of fire automotive equipment.	7.0%
<b>MAINTENANCE OF VEHICULAR/FIRE APPARATUS EQUIPMENT &amp; ACCESSORIES</b>  Knowledge of equipment and accessories sufficient to perform maintenance and repairs on department vehicles, fire apparatus, and fire fighting equipment, including verifying that equipment is tested and meets applicable standards.	26.0%

SUBJECT AREA/KNOWLEDGE	APPROXIMATE % OF EXAM
<b>MAINTENANCE &amp; REPAIR OF PORTABLE EQUIPMENT &amp; SMALL POWER TOOLS</b>  Knowledge of portable equipment and small power tools sufficient to perform maintenance and make repairs.	7.0%

### REFERENCE LIST

While the entire list of reference material will be useful to you in your preparation for the upcoming examination, the **majority** of test questions are sourced from those references listed under the Primary List.

### PRIMARY REFERENCE MATERIAL

**MODERN AUTOMOTIVE TECHNOLOGY, James E. Duffy, The Goodheart-Willcox Co., Inc., 2004.**

The local civil service board should make this study guide available to all applicants in whatever manner the board deems appropriate.

While there are no provisions requiring this office to provide study guides for any competitive or promotional examinations, such material will be provided as a service to assist applicants in preparing for an examination. The State Examiner's office has no control whatsoever over the local availability of reference material (mentioned in the study guides), nor do we feel constrained to limit examination questions to only that material which is available locally. Examination content, weighting of subject areas, and length of examination, may vary with each administration of an examination to reflect any updated job analysis information. Percentages and numerical estimations are provided as approximations.